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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/075,587	02/15/2002	Takao Washino	3064IT/ 50929	9412
7590	09/27/2005		EXAMINER	
Crowell & Moring, L.L.P. P.O. Box 14300 Washington, DC 20044-4300				KOSTAK, VICTOR R
		ART UNIT		PAPER NUMBER
		2614		

DATE MAILED: 09/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/075,587	WASHINO, TAKAO
	Examiner Victor R. Kostak	Art Unit 2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 19 July 2005.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 1 and 6-8 is/are allowed.
- 6) Claim(s) 2-5 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

1. Applicant's arguments filed on 07/19/05 have been fully considered but they are not persuasive in so far as claims 2-~~8~~⁵ stand. The previous rejection based on Oh accordingly still applies, presented below, applicant's arguments addressed in the context of the rejection.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 2-5 are now rejected under 35 U.S.C. 102(e) as being anticipated by Oh.

Reviewing Oh (noting particularly Figs. 3 and 6), his receiver is capable of receiving high-definition television and contains a pilot signal (col. 4 lines 14-15). Standard components include receiving tuner 12 with an oscillator 80; SAW filter 14 and downstream IF band amplifier 16; down convertor 50 with oscillator 52; LPF 54 which passed the down converted signal containing the pilot wherein LPF 70 is used for detecting the pilot; and carrier restorer 60 which demodulates the filtered signal and extracts the pilot therefrom. A memory is included in microprocessor 100 for storing frequency offsets (deviation, error) values (col. 6 lines 14-32) that are computed by element 90. Microcomputer controls the frequency of the tuned channel by sending feedback data to element 18 according to the data in the memory.

Addressing applicant's argument that Oh does not store error information for a plurality of channels, Oh does in fact does so. The memory section of microprocessor 100 stores error information pertaining to frequency errors of any channel to which the receiver can be tuned.

Since plural channels can be received (one at a time), plural error data can be calculated and stored (one at a time) for the respective channels. Error data for plural channels may not be stored together or simultaneously, but such is not explicitly recited nor is required to be interpreted by the claim language, thereby meeting claims 2 and 3.

Dependent claims 4 and 5 were not argued on their own merits (as only base claim 3 was argued), so the previous rejections applied thereto still apply, repeated from the last Office action, as follows.

As for claim 4, a lock detector 78 operates when the pilot coincides with the fixed frequency of oscillator 68, meaning that no separate pilot is extracted and the oscillation frequency is tracked (col. 5 lines 12-20). Deviation data is then updated (step 180 following lock detection step 130 in the flow chart of Fig. 6).

As for claim 5, when the pilot is extracted, element 90 detects frequency offsets for controlling the oscillation of the tuned channel.

3. Claims 1 and 6-8 are allowable over the prior art.

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor R. Kostak whose telephone number is (571) 272-7348.

The examiner can normally be reached on Monday - Friday from 6:30am-3:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on (571) 272-7353.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this final action should be mailed to:

Box AF
Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, Virginia 22313-1450

Or faxed to:

(571) 273-8300

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service Office whose telephone number is (703) 308-HELP.

l. h.t

Victor R. Kostak
Primary Examiner
Art Unit 2614

VRK